APPENDIX A

AIR QUALITY IMPROVEMENT PROGRAM (AQIP) AND LOW CARBON TRANSPORTATION GREENHOUSE GAS REDUCTION FUND (GGRF) INVESTMENTS

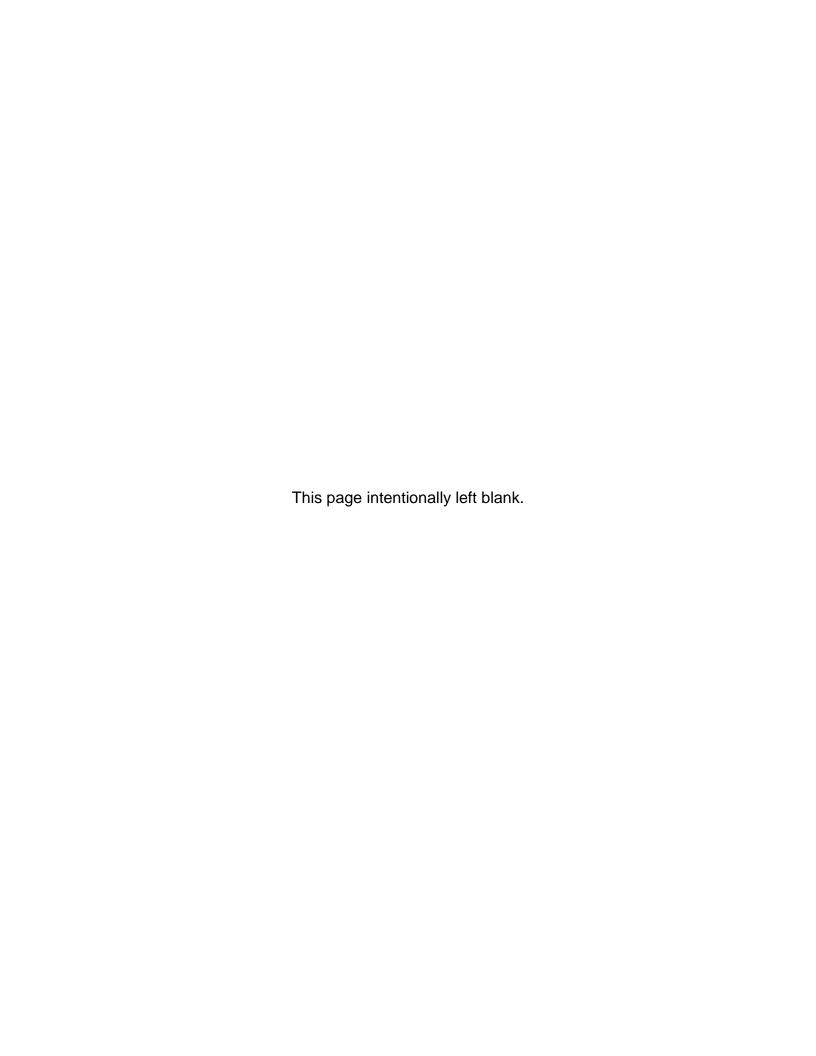
MULTI-SOURCE FACILITY DEMONSTRATION PROJECT

APPLICATION



California Environmental Protection Agency

Air Resources Board



MULTI-SOURCE FACILITY DEMONSTRATION PROJECT APPLICATION

Please print clearly or type all information on this application.

1. AQIP Project: Click here to enter text.							
2. Company Name/Air District/Organization Name/Individual Name: Click here to enter text.							
3. Business Type: Click here to enter text.							
4. Contact Name and Title: Click here to er	nter tex	t.					
Person with Contract Signing Authority (if d Click here to enter text.	ifferent f	rom above)/Air P	ollution Control Officer (APCO):				
6. Mailing Address and Contact Information:							
Street: Click here to enter text.							
City: Click here to enter text.	State: 0 enter t	Click here to ext.	Zip Code: Click here to enter text.				
Phone: (XXX) XXX-XXX		Fax: (XXX) >	XX-XXX				
Email: Click here to enter text.							
☐ I have read and understood the terms and	d conditi	ons of the Sample	e Grant Agreement.				
			g. communication				
I hereby certify under penalty of perjury and any attachments are true and corre		I information p	rovided in this application				
Printed Name of Responsible Party or APCO: Click here to enter text.		Title: Click he	re to enter text.				
Signature of Responsible Party or APCO:		Date:					
Third Party Certification (if applicable) I have completed the application, in whole or in part, on behalf of the applicant.							
Printed Name of Third Party: Click here to enter ext.							
Signature of Third Party:		Date:					
Amount Being Paid for Application Completion Whole or Part: Click here to enter text.	in	Source of Fundi enter text.	ng to Third Party: Click here to				

Attachment 1: APPLICANT QUALIFICATIONS

- Qualifications Narrative: Please provide an attachment describing your experience/expertise developing, implementing, or administering similar demonstration projects and working with vehicle and equipment manufacturers, technology providers, and other stakeholders; identify how this background will enable you to efficiently and effectively implement the Multi-Source Facility Demonstration Project. This narrative should not exceed two pages.
- 2. <u>Staff Information</u>: Include information for each staff member to be involved in developing, implementing, or administering the Multi-Source Facility Demonstration Project. Clearly identify staff proposed for day-to-day project implementation. Attach résumés.

Name:	Hourly rate:
Phone:	Email:
Title:	
riue.	
Expected duties:	
Name:	Hourly rate:
ivanie.	nouny rate.
Phone:	Email:
Title:	
Expected duties:	
Expedica daties.	
Name:	Hourly rate:
Dhana	Em ell.
Phone:	Email:
Title:	
Expected duties:	
F	

If more room is needed, this page may be copied or recreated.

3. <u>Subcontractor Information</u>: Applicants may partner with other entities. Responsibility for deliverables lies with the primary applicant, and the grant will be awarded only to the primary applicant. Provide the names and information for any and all subcontractors and partners. Attach qualification narratives, résumés, and letters of commitment for individuals listed below. Each letter of commitment must describe the nature of the partner's contribution to the project.

Name:	Hourly rate:
Phone:	Email:
Title:	
Expected duties:	
Name:	Hourly rate:
Phone:	Email:
Title:	
Expected duties:	
Name:	Hourly rate:
Phone:	Email:
Title:	
Expected duties:	

If more room is needed, this page may be copied or recreated.

Attachment 2: PROJECT EXECUTIVE SUMMARY

Project Summary

The Project Executive Summary must contain a summary of the proposed project. It is a self-contained document that identifies the name of the applicant, the project technology demonstrator(s), the project title, the objectives of the project, a description of the project, including methods to be employed, potential benefits and outcomes, major participants, and requested funding amount. It should not include information that is not in the rest of the proposal. This document must not include any proprietary or sensitive business information as it may be made available to the public. The project summary must not exceed 1 page when printed using standard 8.5" by 11" paper with a minimum of 1" margins (top, bottom, left, and right) with font not smaller than 11 point.

Attachment 3: PROJECT NARRATIVE AND WORK PLAN

THE PROJECT NARRATIVE MUST SEPARATELY ADDRESS EACH OF THE SCORING CRITERIA REQUIRING A RESPONSE LISTED IN THE EVALUATION AND SCORING SECTION OF THE SOLICITATION. The first page of the project narrative must include the project's title, funding amount requested, applicant (public entity or non-profit organization), industry partner(s) that will act as the technology demonstrator(s) (if applicable), and end user(s). Partners are persons or organizations that will contribute resources to the project via cash, equipment/materials, facilities, or in-kind services. The project narrative must not exceed 15 pages when printed using standard 8.5" by 11" paper with a minimum of 1" margins (top, bottom, left and right) with font no smaller than 11 point. Do not include internet addresses (URLs) as a substitute to providing information necessary to review the application. Provide sufficient information so that reviewers will be able to evaluate the application in accordance with these scoring criteria. The project narrative must contain affirmation that all parties participating in the demonstration have read the Sample Grant Agreement (Appendix B). The project narrative must demonstrate that the proposed project provides benefits to disadvantaged communities, as outlined in the Eligible Projects section of the Solicitation. Include the project's estimated reductions of GHG, criteria pollutant, and toxic air contaminant emissions (with supportive calculations included in Attachment 4). Describe any proposed use of existing infrastructure (e.g., electric vehicle supply equipment, hydrogen refueling stations, etc.) to support advanced technology project vehicles. Declare if the proposed project uses any equipment that has been funded with a public incentive program and state its incentive program status, as described in the Scope of Work section of the Solicitation. The project narrative must include a plan to ensure that emission reductions required by any incentive program's contract or grant are considered for the piece of equipment that is proposed to be used for the technology demonstration. Include a clear explanation of the steps required in the process for legal operations on California roadways, usage on port properties, rail yards, and other sites where on-road project-funded vehicles will be operated. Explain the steps that will be followed to accomplish required government certification and verification protocols where applicable. Both the project narrative and work plan must address how the applicant will implement all of the tasks in the proposed scope of work. Provide bibliographic citations for any references cited, including names of all authors, the article and journal title, book title, volume number, page numbers, and year of publication. Enclose with your application any documents (or pertinent excerpts) that you cite in support of performance claims in your project.

Work Plan

A detailed work plan needs to be included in the application package. The work plan should detail each specific task that is required to complete the demonstration project, as milestones, and the timing of each task that lead to the on-time completion of the demonstration project. Emission testing is a required element and must be included in the work plan.

The work plan should be in a format that shows a logical sequence of tasks with project deliverables easily identifiable. The Grantee and technology demonstrator will make available, at ARB's request, all information and data generated as part of the project that is described in the work plan and scope of work.

Sample Work Plan Format

- Task 9. Hybrid School Bus Emission Testing
 The purpose of this task is to perform preliminary on-road emission testing
 on a demonstration hybrid school bus and collect fuel usage data.
- Task 9.1 *Hybrid School Bus Company* will install PEMs unit on school bus and verify that the PEMS is operating normally.
- Task 9.2 *Hybrid School Bus Company* will calibrate PEMS unit for on-road testing and perform on-road testing and evaluate results.
- Task 9.3 *Hybrid School Bus Company* will begin sampling of exhaust emissions and fuel usage using PEMS and on-board ECM.
- Task 9.4 *Hybrid School Bus Company* will collect emissions data from PEMS and fuel usage data from engines ECM.
- Task 9.5 *Hybrid School Bus Company* will evaluate emissions and fuel usage data and prepare report on emissions and fuel usage to Grantee

Deliverable Description: Emission and Fuel Usage Report Deliverable Due Date: June 30, 2013

Attachment 4: EMISSION REDUCTIONS AND COST-EFFECTIVENESS CALCULATIONS

The applicant must use the methodology in Appendix D to determine emission reductions and cost-effectiveness of proposed projects and include the calculations and results here. All references and variables used that are not included in Appendix D must be cited and explained. All calculations and assumptions made must be shown clearly and in their entirety. SHOW ALL MATH used in calculations. Inaccurate calculations could result in disqualification.

The GHG emission reductions are to be based on life cycle analysis (well to wheel) and calculated in tons of CO₂ equivalent¹ reduced per year. Combined weighted criteria pollutant and PM emission reductions are to be based on exhaust emissions (tank to wheel) and calculated in tons reduced per year.

Four cost-effectiveness calculations are required as follows:

- 1. dollars per ton of GHG emissions (in CO₂ equivalent) reduced during the actual proposed project over a 2-year demonstration;
- 2. dollars per ton of GHG emissions (in CO₂ equivalent) reduced once deployed into the marketplace, one year post proposed demonstration and based on a 10-year vehicle/equipment useful life;
- 3. dollars per ton of combined criteria pollutant and weighted PM emissions reduced during the actual proposed project over a 2-year demonstration; and
- 4. dollars per ton of combined criteria pollutant and weighted PM emissions reduced once deployed into the marketplace, one year post proposed demonstration and based on a 10-year vehicle/equipment useful life.

A-7

¹ "CO₂ equivalent" means the number of metric tons of CO₂ emissions with the same global warming potential as one metric ton of another greenhouse gas.

Attachment 5: PROPOSED BUDGET AND PROJECT MILESTONES AND DISBURSEMENT SCHEDULE

The proposed budget must include all estimated labor and material costs associated with managing the project, the administrative funds requested, and a description of any applicable commitments for in-kind services and match funding from all sources. In-kind services refer to resources or services contributed by the applicant to implement the project but are not included in the proposal for funding by the Air Resources Board (ARB). Please be as specific as possible when describing in-kind services (i.e., itemize staff time, equipment, consumables, or other costs that are being committed). Match funding refers to funds contributed by the applicant or other funding source. The Solicitation has a Grantee cost share requirement of at least 25 percent of the total proposed budget of the project, of which 10 percent must be cash committed by the applicant or industry partner. The remaining cost share may be provided through a combination of in-kind contributions of labor, equipment, materials equipment transportation, private financing, federal funds, or non-AB 118 and non-GGRF State funds.

Also provide a draft Disbursement Schedule in the format described in Exhibit B Attachment II in the sample Grant Agreement (see Appendix B).

Sample Proposed Budget

The Sample Proposed Budget may be copied or recreated as needed. (Applicant may modify this sample budget to meet their specific needs. This page may also be edited, or deleted if not used)

<u>DIRECT LABOR</u> IN-KIND	<u>HOURS</u>		RATE	TOTAL	
IIV-IXIIVD					<u>MATCH</u>
Program Manager	@				
Staff Assistant	@				
Technician	@				
Clerical	@	-	_		
				\$	\$
SUBCONTRACTOR(S) CO	ST ITEMIZED			\$	\$
INDIRECT COSTS (OVERH	IEAD AND FRINGE	E BENEFITS)		_
Overhead Rate					
Fringe Benefits					
				\$	\$
DIRECT COSTS (EXCEPT	LABOR)				
Travel Costs					
Equipment and Sup	plies (Itemized)				
Other Direct Costs (Itemized)				
				\$	\$
				Total	Total
TOTAL COSTS				TOTAL \$	
			APPLICAN	T MATCH \$	

The Solicitation has a Grantee cost share requirement of at least 25% of the total proposed budget of the project, of which 10% must be in cash.

Sample Project Milestone and Disbursement Schedule

Milestone	Task Description	Project Funding			
inicatoric Task Description	Project Funds	Administrative Funds			
1.3	Execute Grant Agreement, District Resolution	\$	\$		
2.3	Conduct Kick-Off Meeting	\$	\$		
Subtotal of Pr	oject Funds and Administrative Funds	\$	\$		
Grant	Total Funding Amount		\$		

Attachment 6: DISADVANTAGED COMMUNITIES ELIGIBILITY DETERMINATION

The Table below is from page Appendix-5 of the *Interim Guidance to Agencies Administering Greenhouse Gas Reduction Fund Monies*, released November 3, 2014.

Table A-1 Low Carbon Transportation: Projects will achieve GHG reductions through the use of zero and near zero-emission passenger vehicles, buses, trucks, and freight technology.

Potential administering agencies: ARB, CalSTA/CTC, Caltrans/Local Transit Agencies

CRITERIA TO EVALUATE PROJECTS

Agencies can also use criteria in other applicable tables.

When selecting projects for a given investment, give priority to those that maximize benefits to disadvantaged communities (e.g., use scoring criteria that favor projects which provide multiple benefits or the most significant benefits).

Step 1 – Located Within: Evaluate the project to see if it meets at least one of the following criteria for being located in a DAC census tract* and provides direct, meaningful, and assured benefits to a DAC.

Project must meet at least one of the following criteria focused on reducing air pollution for DAC residents:

- A. Project provides incentives for vehicles or equipment to those with a physical address in a DAC**; or
- B. Project provides incentives for vehicles or equipment that will be domiciled in a DAC; or
- C. Project provides incentives for vehicles or equipment that reduce air pollution on fixed routes that are primarily within a DAC (e.g., freight locomotives) or vehicles that serve transit stations or stops in a DAC (e.g., zero-emission buses); or
- D. Project provides greater mobility and increased access to clean transportation for DAC residents by placing services in a DAC, including ride-sharing, car-sharing, or other advanced technology mobility options (e.g., neighborhood electric vehicles, vanpooling, shuttles, smartphone application-based ride-sharing services, bikesharing services).

Step 2 – Provides Benefits To: If the project does not meet the above criteria for "located within," evaluate the project to see if it meets at least one of the following criteria for providing direct, meaningful, and assured benefits to a DAC.

Project must meet at least one of the following criteria focused on reducing air pollution for DAC residents:

- A. Project provides incentives for vehicles or equipment to those with a physical address in a ZIP code that contains a DAC census tract; or
- B. Project provides incentives for vehicles or equipment that operate primarily in "impacted corridors," [Note: ARB will publish a list of "impacted corridors" based on its assessment of which freight corridors have a substantial air quality impact on DACs.]; or
- C. Project provides incentives for vehicles or equipment that primarily serve freight hubs (e.g., ports, distribution centers, warehouses, airports) located in a ZIP code that contains a DAC census tract; or
- D. Project provides greater mobility and increased access to clean transportation for DAC residents by placing services that are accessible by walking within ½ mile of a DAC, including ride-sharing, car-sharing, or other advanced technology mobility options (e.g., neighborhood electric vehicles, vanpooling, shuttles, bikesharing services).

Note that Criteria B in Step 2 of the above table is not a valid method of determining eligibility with the Disadvantaged Community requirement of the Solicitation.

^{*} For maps of DAC census tracts, refer to http://oehha.ca.gov/ej/ces2.html

^{** &}quot;Those with a physical address in a DAC" may include individuals as well as businesses, public agencies, nonprofits, and other community institutions.

Attachment 7: PROCEDURES FOR HANDLING CONFIDENTIAL INFORMATION

How ARB Handles Confidential Information

The ARB prefers that you do not include confidential information (e.g., trade secrets) in your proposal. However, if you find it necessary to include such information, **clearly label it "Confidential"**, and ARB will protect it as confidential information to the degree allowed by ARB regulations on information disclosure in conformance with State law (see Title 17, California Code of Regulations, section 91000, et seq.). The ARB will not disclose data identified by an applicant as confidential, except as required by law. However, because of the legal requirements for disclosure of some kinds of information, applicants are advised that the ARB cannot provide an absolute guarantee that all material designated as confidential will not be disclosed to the public. Also, the State cannot accept legal liability for such disclosure. If such restrictions are not acceptable to you, **DO NOT INCLUDE CONFIDENTIAL MATERIAL IN YOUR PROPOSAL**.

Confidentiality Provision

The following statement must be signed and returned to ARB with your application if the application includes confidential information that you want to be protected as trade secrets.

* * * ** * *

The restriction on disclosing this information shall not apply to any information identified by the applicant as confidential that (a) is already known to the public or the ARB at the time of disclosure, or (b) is or becomes publicly known through no wrongful or negligent act on the part of the review panel members or the ARB.

The applicant further agrees that s/he has read the following confidentiality provision and agrees to its terms and conditions.

It is understood that in the course of carrying out this agreement, the ARB may provide Confidential Information to non-ARB reviewers. Each review panel member agrees to use his/her best effort to hold Confidential Information in confidence and shall return it to the ARB upon the completion of the agreement.

This obligation shall apply only to Confidential Information that is designated or identified as such in writing by the ARB prior to the disclosure thereof. All Confidential Information shall be sent only to the review panel members. Moreover, this obligation shall not apply to any Confidential Information which: (a) is or becomes publicly known through no wrongful or negligent act on the part of the review panel; (b) is already known to the review panel member at the time of disclosure; (c) is independently developed by the review panel member without breach of this agreement; or (d) is generally disclosed to third parties by the ARB without similar restrictions on such third parties."

Χ			
	Applicant's signature	Date	

Attachment 8: LETTERS OF COMMITMENT

Include letters of commitment from partners, subcontractors, etc., as appropriate to complete the application.

Attachment 9: CALIFORNIA ENVIRONMENTAL QUALITY ACT WORKSHEET

This attachment must be submitted as part of the application if the project proposal includes proposed infrastructure installation (e.g., electric vehicle supply equipment or hydrogen refueling station). Additional information regarding this requirement is available in Appendix F.

The California Environmental Quality Act (CEQA) (Public Resources Code §§ 21000 et seq.) requires public agencies to identify the significant environmental impacts of their actions and to avoid or mitigate them, if feasible. Under CEQA, an activity that may cause either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment is called a "project" (Public Resources Code § 21065). Agency compliance with CEQA may include preparing a Notice of Exemption or conducting an Initial Study and preparing a Negative Declaration, a Mitigated Negative Declaration, or, if there are significant impacts, an Environmental Impact Report.

The Lead Agency is the public agency that has the greatest responsibility for preparing environmental documents under CEQA, and for carrying out, supervising, or approving a project. Where the grant recipient is a public agency, the Lead Agency is typically the recipient. Where the grant recipient is a private entity, the Lead Agency is the public agency that has greatest responsibility for supervising or approving the project as a whole. When issuing contracts, grants, or loans, the Air Resources Board (ARB or Board) is typically a "Responsible Agency" under CEQA, which means that it may make its own CEQA findings based on review of the Lead Agency's environmental documents. If ARB is the only public agency with responsibility for approving the project, then ARB may act as the Lead Agency and prepare its own environmental documents (based on analysis provided by the applicant).

This worksheet will help ARB determine what kind of CEQA review, if any, is necessary, and which agency will be performing that review as a Lead Agency. No project can be selected, nor can any grant be executed, until the Lead Agency has determined that the project is exempt from CEQA requirements, or the CEQA requirements have been satisfied.

Please answer all questions in the worksheet below as completely as possible. It may also help you to think through the CEQA process necessary for your proposed project. The ARB may request additional information in order to clarify responses provided on this worksheet.

-

² To view frequently asked questions and answers about CEQA, please visit http://resources.ca.gov/cega/more/fag.html.

³ 14 CCR §§ 15050, 15051. The Lead Agency typically has general governmental powers (such as a city or county), rather than a single or limited purpose (such as an air pollution control district).

1. What are the physical aspects of the project? (Check all that apply and provide brief description of work, including any size or dimensions of the project).

Project Aspect	Yes	No	Description of Project Aspect
Construction (including grading, paving, etc.)			
Trenching			
New or replaced pipelines			
Construction of underground facilities (including tanks)			
Modification or conversion of a facility			
New or modified operation of a facility or equipment			
On-road demonstration			
Paper study (including analyses on economics, feedstock availability, workforce availability, etc.)			
Laboratory research			
Temporary or mobile structures (skid-mounted)			
Design/Planning			
Other (describe and add pages as necessary)			

sheets as neces	ssary.)				
Address	Count	y		Type of	Work to Be Completed at Site
review? (Check please provide a reasonably fores	a box and e complete d seeable indir . Please pro	xplain escrip ect ch vide a	the an tion of anges s muc	swer for any dire to the e h detail a pages as	npacts that trigger CEQA reach question. Additionally, ect physical changes and nvironment that may result as possible. You may provide necessary.)
Question		Yes	No	Don't Know	Explanation
Is the project site	noitivo?				

Is the project site on

Is the land on which the project would be built previously disturbed?

Is this project part of a larger

Is there public controversy about the proposed project or

Will historic resources or historic buildings be impacted

agricultural land?

project?

larger project?

by the project?

2. Where is the project located or where will it be located? (Attach additional

Question	Yes	No	Don't Know	Explanation
Is the project located on a site the Department of Toxic Substances Control and the Secretary of the Environmental Protection have identified as being affected by hazardous wastes or cleanup problems?				
Will the project generate noise or odors in excess of permitted levels?				
Will the project increase traffic at the site and by what amount?				
Is the project expected to result in environmental impacts to any other resource area (e.g., air quality, aesthetics, water quality)? (Add pages as necessary.)				

4. Will the project require discretionary permits or determinations, as listed below?

Type of Permit	No	Modified	New	Approving Agency	Reason for Permit, Summary of Process, and Anticipated Date of Issuance
Air Quality Permit					
Water Quality Permit					
Conditional Use Permit or Variance					
Building Expansion Permit					
Hazardous Waste Permit					

Type of Permit	No	Modified	New	Approving Agency	Reason for Permit, Summary of Process, and Anticipated Date of Issuance
Rezoning					
Authority to Construct					
Other Permits (List types)					
	hy no	contact has	been n		proposed process for
project (see Iten documents (e.g.	n 4 abo , Notic gated	ove), has as ce of Exem Negative D	s the p ption, l eclarat	ublic agency nitial Study/N ion, Environn	nental Impact Report,
	Not a _l		_		EQA document to this may be an e-mail,

Type of Environmental Review	Title of Environmental Document (Attach the document to this form)	State Clearinghouse Number	Completion Date	Planned Completion Date (must be before approval of grant)
"Not a project" Email Letter Resolution Other:		N/A		N/A
Exempt (Resolution of public agency or Agenda Item approving Exemption)		N/A		N/A
Exempt (Notice of Exemption)		N/A		
Initial Study				
Negative Declaration				
Mitigated Negative Declaration				
Notice of Preparation				
Environmental Impact Report				
Master Environmental Impact Report				
Notice of Determination				

Type of Environmental Review	Title of Environmental Document (Attach the document to this form)	State Clearinghouse Number	Completion Date	Planned Completion Date (must be before approval of grant)
NEPA Document (Environmental Assessment, Finding of No Significant Impact, and/or Environmental Impact Statement)				
obtaining lead ager before ARB will appropriate the complete and sign the complete and s	to the best of my	y knowledge that	the informatic	nust occur on contained orized to
Name:				
Title:				
Signature:				
Phone Number:				
Email:				
Date:				

Attachment 10: CONFLICT OF INTEREST DECLARATION

All applicants must disclose any Conflict of Interest with their ability to fulfill the duties of the Multi-Source Facility Demonstration Program Grantee. Summarize your organization's or any subcontractor's (as identified in Attachment 1 of this application) current, ongoing, or pending direct or indirect interest, which poses an actual, apparent, or potential conflict of interest with your ability to fulfill the duties of the Grantee. These may include but are not limited to financial arrangements with or interest in zero- or near zero-emission technology providers, vehicle manufacturers, or related organizations. ARB may consider the nature and extent of any potential or apparent conflict of interest in evaluating, considering, or scoring the application and may disqualify the applicant at ARB's sole discretion.

Attachment 11: STD. 204 PAYEE DATA RECORD

Please fill out and submit as a part of this application the STD. 204 Payee Data Record:

http://www.dhcs.ca.gov/services/Documents/DHCS_STD.204.pdf

This form is required, even if the applicant is a governmental entity. Applications that do not include this completed form will not be scored.